91-02208/

DEPARTMENT OF ENERGY AND MINES

SUPPLEMENTARY INFORMATION
FOR
LEGISLATIVE REVIEW

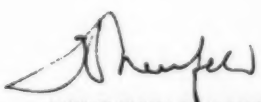
1990/91 EXPENDITURE ESTIMATES

PREFACE

THIS ESTIMATES SUPPLEMENT IS PRODUCED BY THE DEPARTMENT OF ENERGY AND MINES TO PROVIDE BACKGROUND ON DEPARTMENTAL OPERATIONS AND TO COMPLEMENT INFORMATION CONTAINED IN THE PRINTED MAIN ESTIMATES. THE ADDITIONAL INFORMATION IS INTENDED TO ASSIST MEMBERS OF THE LEGISLATURE IN THEIR REVIEW OF THE DEPARTMENT'S ESTIMATES.

THE CONTENTS OF THIS DOCUMENT ARE ORGANIZED INTO THREE PARTS. THE FIRST PART PROVIDES AN OVERVIEW OF THE DEPARTMENT'S BUDGET REQUIREMENTS. THE SECOND PART PROVIDES A DETAILED ANALYSIS OF DEPARTMENTAL PROGRAMS, ORGANIZED ON THE BASIS OF EXISTING MAIN APPROPRIATIONS SO AS TO PROVIDE AN EASY CROSS REFERENCE TO THE PRINTED MAIN ESTIMATES. PART THREE PROVIDES A STAFFING AND EXPENDITURE SUMMARY FOR THE PREVIOUS FOUR YEARS, AND COMPARES THESE WITH THE 1990/91 ESTIMATES.

THIS SUPPLEMENT HAS BEEN DESIGNED TO PROVIDE MEANINGFUL INFORMATION TO MEMBERS. MY DEPARTMENT WELCOMES MEMBERS' COMMENTS ON THE CONTENT, FORM, AND USEFULNESS OF THIS SUPPLEMENTARY INFORMATION, TOGETHER WITH ANY SUGGESTIONS FOR IMPROVING THE SUPPLEMENT TO BETTER SERVE MEMBERS' NEEDS.



HONOURABLE HAROLD NEUFELD
MINISTER OF ENERGY AND MINES

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GLOSSARY

STAFF CATEGORIES

Managerial

Positions which have been **delegated the authority** and have the **responsibility** to plan, administer, and control the resources and activities of a defined organizational unit in the Manitoba Government and are are **directly and fully accountable for:**

1. the utilization of resources in achieving planned objectives, including the development of a budget and the initiation and authorization of expenditures; and

2. the organization's results and impacts.

Professional/Technical

Employees who have duties that relate to specific areas of program operations requiring some functional specialization.

Examples of positions in this category are Planning Analysts, Engineers, Geologists, Technicians, Inspectors and Cartographers.

NOTE: Employees who are managers and who are also classified in one of the above professional/technical positions shall be categorized only once, as managerial.

Administrative Support

Employees who provide support and assistance to program operations.

Examples of positions in this category are Administrative Secretaries, Clerks and Administrative Officers.

Staffing Component

Fractions of staff years represent weeks of employment. For example: 65.20 Staff Years means 65 full Staff Years and 20 weeks of employment.

EXPENDITURE CATEGORIES

Personnel Services	Regular Earnings Other Earnings (overtime, shift premium), Departmental Ministers and Members of Legislative Assembly, fringe benefits, other (Worker's Compensation Allowance, Supplement), Health and Education Tax Levy, Personnel Services recoveries.
Grants/Transfer Payments	Discretionary grant, non-discretionary grant, transfer payment.
Transportation	Vehicles, aircraft, other (taxi, bus, rail, freight).
Communication	Telephone, electronic mail, postage, advertising, exhibits, radio systems, couriers.
Supplies and Services	Operating supplies, materials, office supplies, repairs and maintenance, utilities, rentals, professional services, other fees, supplies and services recovery.
Public Debt	Debt redemption, interest on debt, discount on Debt, amortization, bank charges, foreign exchange, sinking fund, other charges.
Capital	Land, buildings, furniture, vehicles, equipment, capital grants, other physical assets.
Other Operating	Hotels, meals, computer-related charges, loss, damage, insurance and extraordinary costs, publications, employee education assistance, relocation and transfer costs, other (membership fees, hospitality, uniforms, conference/convention registration fees, incidental allowances).

OTHER TERMINOLOGY

Adjusted Vote	Is a re-alignment of previous year's vote to reflect any organizational change and provide a more accurate and realistic comparisons from one budget year to the next.
Variance Explanations	Explanations for significant Other Expenditures increases or decreases from the Adjusted Vote. Depending on the size of the Adjusted Vote, explanations are given where the level of significance is as shown below:

SIZE OF ADJUSTED VOTE	LEVEL OF SIGNIFICANCE
$1,000,000 to $5,000,000	15%
$5,000,000 and over	10% or $2,000,000

PART 1
DEPARTMENTAL OVERVIEW

DEPARTMENT OF ENERGY AND MINES

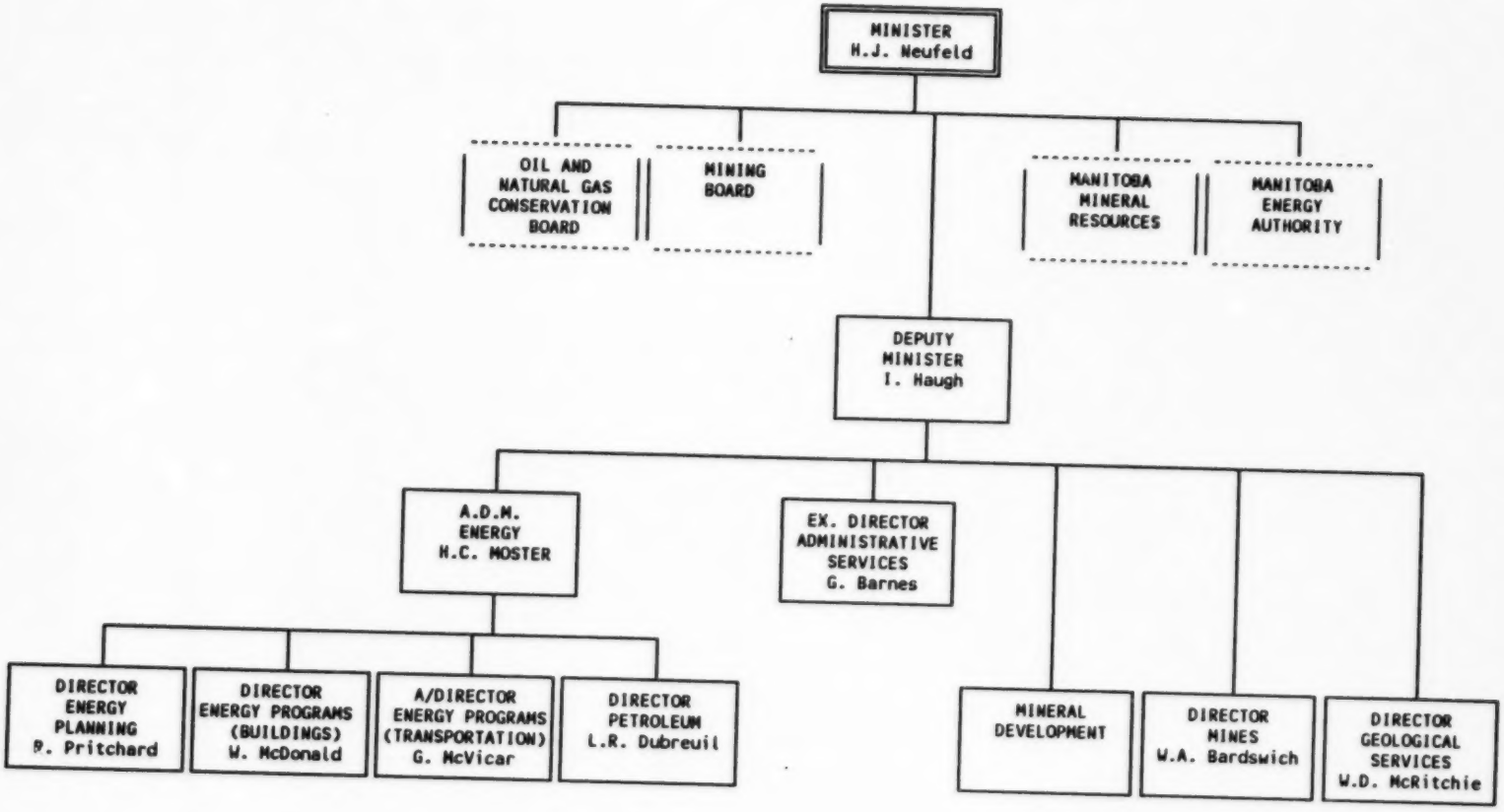
Manitoba is endowed with substantial mineral and energy resources, and the development and use of these resources underpins a large portion of the provincial economy.

The Department of Energy and Mines has legislative and policy responsibilities to ensure that Manitoba's energy and mineral resources are developed and managed in a manner which is beneficial to all residents of the province today and in the future.

The department was formed November 15, 1979 when the Mineral Resources Division of the then Department of Mines, Natural Resources and Environment was combined with the Manitoba Energy Council, then attached to the Department of Finance.

The department is made up of operating and support divisions as outlined in the following Organization Chart. A description of the role and responsibilities of each of these divisions is included in Part II.

MANITOBA ENERGY AND MINES
Senior Management



SCHEDULE 1

SCHEDULE 2

STATUTORY RESPONSIBILITIES OF THE MINISTER OF ENERGY AND MINES

The Manitoba Energy Authority Act

The Manitoba Energy Council Act

The Gas Pipe Line Act

The Gas Storage and Allocation Act

The Greater Winnipeg Gas Distribution Act

The Homeowners Tax and Insulation Assistance Act
(Part V and Section 1 and Part VI as they relate to subjects covered under Part V)

The Industrial Minerals Drilling Act

The Manitoba Natural Resources Development Act
(as it applies to Manitoba Mineral Resources Ltd.)

The Mineral Exploration Assistance Act

The Mines Act

The Mining and Metallurgy Compensation Act

The Natural Gas Supply Act

The Oil and Gas Production Tax Act

The Pipe Line Act

SCHEDULE 3

Adjusted Vote 1989/90	ENERGY AND MINES (XXIII)	Year Ending March 31, 1991
	SUMMARY OF PROGRAMS	
	CURRENT OPERATING EXPENDITURES	
1,689,600	1. Administration and Finance	1,708,400
3,488,100	2. Energy	3,485,700
6,700,900	3. Mineral Resources	6,025,200
1,323,100	4. Manitoba Energy Authority	3,400,000
13,201,700	* TOTAL FOR DEPARTMENT OF ENERGY AND MINES	14,619,300

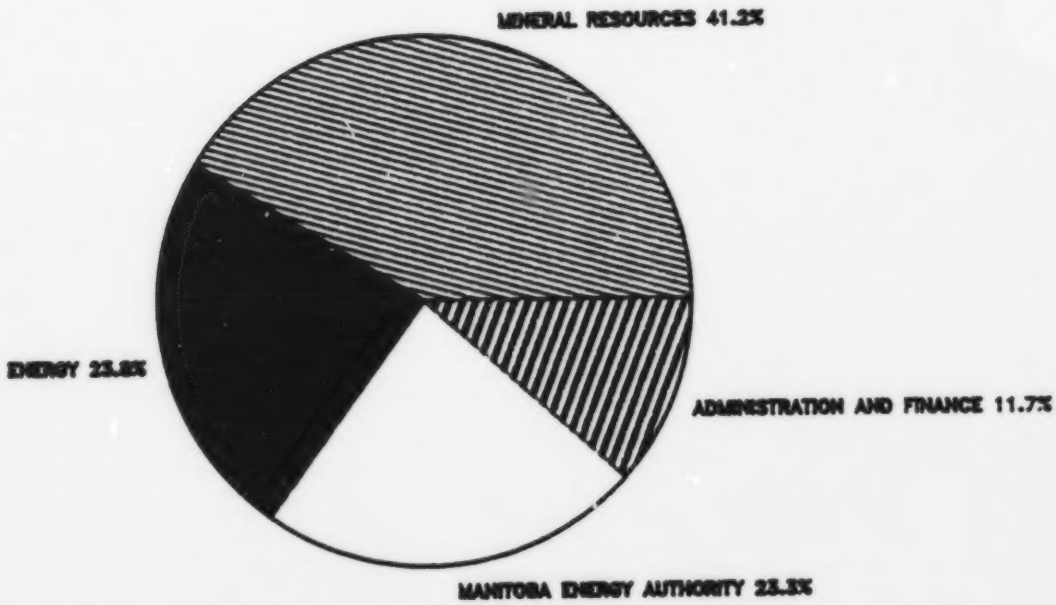
*RECONCILIATION STATEMENT

Details	1989/90 Estimates
1989/90 Main Estimates	12,015,400
Allocation of General Salary Increases	154,200
Allocation of funds from:	
- Government Services	800
- Canada-Manitoba Enabling Vote re: Mineral Development Agreement	1,031,300
1989/90 Adjusted Vote	13,201,700

1990/91

SCHEDULE 4

MAIN ESTIMATES OF EXPENDITURE PERCENTAGE DISTRIBUTION BY OPERATING DIVISION



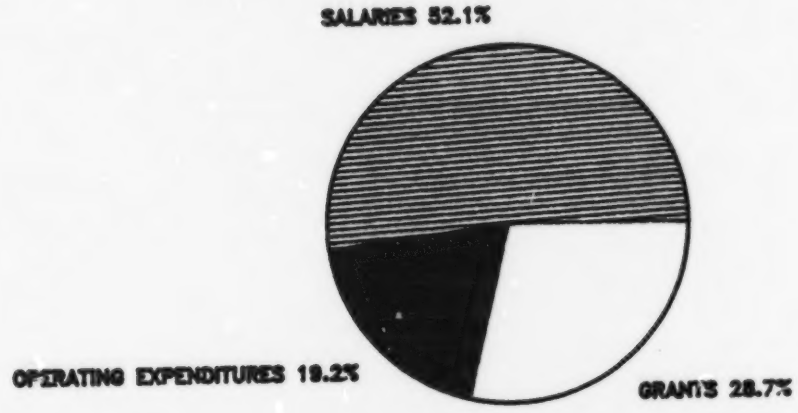
SCHEDULE 5

DEPARTMENT OF ENERGY AND MINES
EXPENDITURE SUMMARY
BY SALARIES, OPERATING & GRANTS

Element	Adjusted Vote 1989/90	Year Ending March 31, 1991
SALARIES (Details on Schedule 8)	7,563,300	7,618,700
OPERATING EXPENDITURES (Excluding Grants/Transfer Payments)	3,474,500	2,798,600
OPERATING GRANTS/TRANSFER PAYMENTS	2,163,900	4,202,000
TOTAL FOR DEPARTMENT OF ENERGY AND MINES	13,201,700	14,619,300

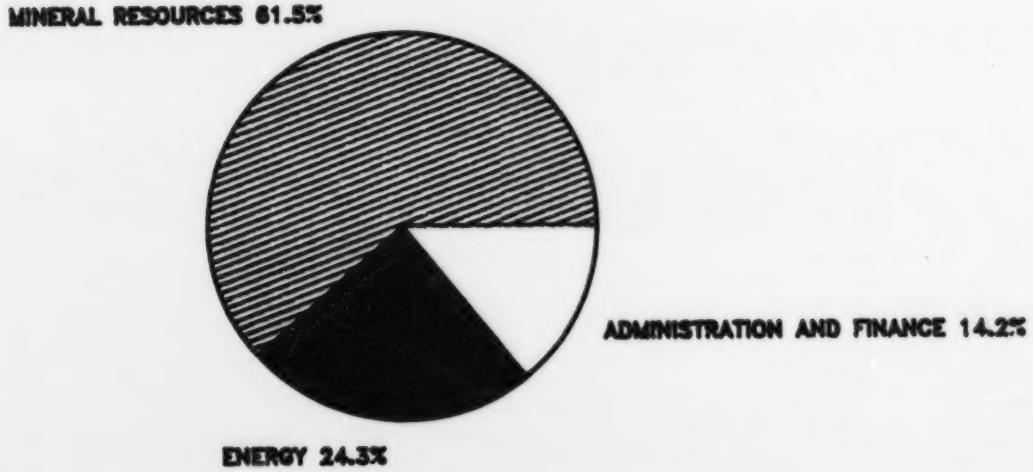
SCHEDULE 6

1990/91
DEPARTMENT OF ENERGY AND MINES
PERCENTAGE DISTRIBUTION OF EXPENDITURES
BY SALARIES, OPERATING AND GRANTS



SCHEDULE 7

1990/91 STAFF YEAR SUMMARY
PERCENTAGE DISTRIBUTION OF STAFF YEARS
BY OPERATING DIVISION



DEPARTMENT OF ENERGY AND MINES
STAFF YEAR SUMMARY
BY APPROPRIATION

SCHEDULE 8

Res. No.	Appro.No.	Activity	Adjusted Vote 1989/90 SY	Adjusted Vote 1989/90 Salaries	Year Ending March 31, 1991 SY	Year Ending March 31, 1991 Salaries
	23-1	Administration and Finance				
	23-1(a)	Minister's Salary	1:00	20,600	1:00	20,600
	23-1(b)	Executive Support	8:00	397,000	8:00	325,100
	23-1(c)	Administrative Services	18:26	630,700	18:26	668,700
		Total	27:26	1,048,300	27:26	1,014,400
	23-2	Energy				
	23-2(a)	Energy Administration and Information	6:00	228,500	6:00	227,800
	23-2(b)	Energy Planning	8:00	383,500	8:00	383,900
	23-2(c)	Energy Programs (Buildings)	10:00	413,100	10:00	428,900
	23-2(d)	Petroleum	20:00	735,300	20:00	765,800
	23-2(e)	Energy Programs (Transportation)	3:00	146,700	3:00	145,100
		Total	47:00	1,907,100	47:00	1,951,500
	23-3	Mineral Resources				
	23-3(a)	Mineral Development	4:00	204,900	4:00	197,600
	23-3(b)	Mines	34:26	1,343,800	34:26	1,376,100
	23-3(c)	Geological Services	80:22	3,059,200	80:22	3,079,100
		Total	118:48	4,607,900	118:48	4,652,800
	23-4	Manitoba Energy Authority	--	--	--	--
	23	TOTAL FOR ENERGY AND MINES	193:22	7,563,300	193:22	7,618,700

Note: Fractions of staff years represent weeks of employment. For example: 193:22 staff years means 193 full staff years and 22 weeks of employment.

SCHEDULE 9

DEPARTMENT OF ENERGY AND MINES
STAFF YEAR SUMMARY
BY STAFF CATEGORY

	Managerial		Professional/ Technical		Administrative Support		Total	
Division	SY	$	SY	$	SY	$	SY	$
Administration & Finance	6:00	314,200	11:00	390,200	10:26	310,000	27:26	1,014,400
Energy Division	12:00	691,100	22:00	903,000	13:00	357,400	47:00	1,951,500
Minerals Division	12:00	703,300	79:22	3,171,000	27:26	778,500	118:48	4,652,800
TOTAL	30:00	1,708,600	112:22	4,464,200	51:00	1,445,900	193:22	7,618,700

Note: Fractions of staff years represent weeks of employment. For example: 193:22 staff years means 193 full staff years and 22 weeks of employment.

PART 2
DETAILED FINANCIAL INFORMATION

Adjusted Vote 1989/90	Appro. No.	Energy and Mines (XXIII) Details of Appro.	Year Ending March 31, 1991	Resolution No.
1,689,600	1.	ADMINISTRATION AND FINANCE	1,708,400	39
		. Provides for the executive management of the department, overall planning and policy direction to the department and coordination of departmental activities.		
		. Provides centralized financial, human resource management, computer systems and other central services to the department.		
				Reference Number
20,600	1(a)	Minister's Salary	20,600	1
495,100	1(b)	Executive Support	476,200	2
1,173,900	1(c)	Administrative Services	1,211,600	3
1,689,600			1,708,400	

Sub-Appropriation No. 1A

REFERENCE NO. 1

MINISTER'S SALARY

Adjusted Vote 1989/90 SY	Adjusted Vote 1989/90 $		Year Ending March 31, 1991 SY	Year Ending March 31, 1991 $
1:00	20,600	PERSONNEL	1:00	20,600
1:00	20,600		1:00	20,600

Sub-Appropriation No. 1B

REFERENCE NO. 2

EXECUTIVE SUPPORT

Objectives/Activities

. Advises the Minister on energy and mineral matters.

. Coordinates and manages the activities of the department.

Adjusted Vote 1989/90 SY	Adjusted Vote 1989/90 $		Year Ending March 31, 1991 SY	Year Ending March 31, 1991 $
		PERSONNEL		
1:00	140,400	Managerial	1:00	78,800
3:00	131,000	Professional/Technical	3:00	113,000
4:00	125,600	Administrative Support	4:00	133,300
8:00	397,000	Total Personnel	8:00	325,100
		OTHER EXPENDITURES		
	20,700	Transportation		20,700
	39,600	Communication		39,600
	24,700	Supplies and Services		77,700
	13,100	Other Operating		13,100
	98,100	Total Other Expenditures		151,100
	495,100	TOTAL EXPENDITURES		476,200

Sub-Appropriation No. 1C

REFERENCE NO. 3

ADMINISTRATIVE SERVICES

Objectives

To provide centralized administrative services in support of the department's programs. The support services cover finance, personnel, operations, computer systems, administrative policy and library services.

Activity Identification

- Provides financial, accounting and budgetary services to the department including: coordination of the estimates process; payment of accounts and other financial transactions; expenditure monitoring; revenue accounting; financial reporting; internal audit; and administration of energy loan programs.

- Provides personnel services including: recruitment and selection; job evaluation; training and development; performance management; employee relations; payroll, benefits and records; and coordination of Affirmative Action, French Language Services and Workplace, Safety and Health.

- Provides computer systems services including the development and implementation of automated systems; evaluation and acquisition of equipment; user education; maintenance and backup to the main word processing equipment; and coordination of services between branch clients and hardware/software vendors.

- Provides general administrative services including coordination of requests for office accommodation and equipment; photocopy and courier services; vehicle assignments; records management; and coordination of requests for access under Freedom of Information.

- Provides library services to meet the resource/research needs of the department.

Expected Results

- Administrative support services which are responsive to departmental needs and are in accordance with government policy.

- Preparation of management reports on matters relating to financial, personnel, computer systems and operational support services.

- Effective representation of the department in responding to central agencies.

Sub-Appropriation No. 1C

REFERENCE NO. 3

ADMINISTRATIVE SERVICES

Adjusted Vote 1989/90 SY	Adjusted Vote 1989/90 $		Year Ending March 31, 1991 SY	Year Ending March 31, 1991 $
		PERSONNEL		
4:00	209,600	Managerial	4:00	214,800
8:00	255,400	Professional/Technical	8:00	277,200
6:26	165,700	Administratve Support	6:26	176,700
18:26	630,700	Total Personnel	18:26	668,700
		OTHER EXPENDITURES		
	5,500	Transportation		5,500
	17,700	Communication		17,700
	229,300	Supplies and Services		229,300
	250,000	Public Debt		250,000
	40,700	Other Operating		40,400
	543,200	Total Other Expenditures		542,900
	1,173,900	TOTAL EXPENDITURES		1,211,600

Adjusted Vote 1989/90	Appro. No.	Energy and Mines (XXIII) Details of Appro.	Year Ending March 31, 1991	Resolution No.
3,488,100	2.	ENERGY	3,485,700	40
		. Provides overall direction to energy planning and programs.		
		. Provides a general energy information service to the public.		
		. Promotes energy efficiency and diversification.		
		. Provides energy research, economic and policy analyses, and information service for department executive.		
		. Provides buildings related research and on-site energy audits to homeowners, businesses and community institutions to identify potential energy savings.		
		. Provides for the administration and management of the province's petroleum resources, including exploration development, production and transportation of crude oil and natural gas.		
		. Provides an energy research and information service to the transportation sector.		

				Reference Number
311,500	2(a)	Energy Administration and Information . .	310,800	1
480,600	2(b)	Energy Planning	480,600	2
1,498,800	2(c)	Energy Programs (Buildings)	1,468,200	3
879,200	2(d)	Petroleum	909,700	4
318,000	2(e)	Energy Programs (Transportation)	316,400	5
3,488,100			3,485,700	

Sub-Appropriation No. 2A

REFERENCE NO. 1

ENERGY ADMINISTRATION and INFORMATION

Objective

To provide overall direction to programs related to the development and management of energy resources in accordance with government policy and legislation and in order to provide maximum benefits to the province.

To provide the public with an easily accessible energy information service with accurate and up-to-date information.

Activity Identification

- Review and develop energy policy and related legislation to ensure it conforms with current government policy and is properly administered.

- Determine and provide policy direction to program managers in the four operating branches of the division: Energy Planning, Energy Programs (Buildings), Petroleum and Energy Programs (Transportation).

- Determine and allocate required human and financial resources with government direction and policy and monitor and assess program results and determine necessary changes.

- Maintain liaison with senior personnel in other departments, governments, agencies, and the energy industry on matters related to the development and management of energy resources.

- Maintain an Energy Information Centre on the fifth floor of Eaton Place and produce energy related communications materials.

Expected Results

- Legislation, regulations and policies that meet government objectives.

- Positive reaction from energy industry and the public in general to programs, activities and initiatives of the division.

- Programs achieved within budget allocations.

- Resolution and control of issues in the energy sector and the division.

- Minister and Deputy Minister informed on important energy issues and developments and effective liaison established and maintained with other departments, governments, agencies and the energy industry.

Sub-Appropriation No. 2A

REFERENCE NO. 1

ENERGY ADMINISTRATION and INFORMATION

Adjusted Vote 1989/90 SY	Adjusted Vote 1989/90 $		Year Ending March 31, 1991 SY	Year Ending March 31, 1991 $
		PERSONNEL		
2:00	110,300	Managerial	2:00	113,600
1:00	40,000	Professional/Technical	1:00	34,000
3:00	78,200	Administrative Support	3:00	80,200
6:00	228,500	Total Personnel	6:00	227,800
		OTHER EXPENDITURES		
	9,000	Transportation		6,000
	15,000	Communication		28,700
	48,300	Supplies and Services		37,300
	700	Capital		2,000
	10,000	Other Operating		9,000
	83,000	Total Other Expenditures		83,000
	311,500	TOTAL EXPENDITURES		310,800

Sub-Appropriation No. 2B

REFERENCE NO. 2

ENERGY PLANNING

Objectives

To monitor and assess energy matters having implications for the cost, supply, and use of energy within the province; to assess anticipated and emerging energy issues within a strategic planning process; and to recommend policy and program options for cost-effective energy sourcing and use.

Activity Identification

- Examine current and forecast future energy needs, energy supply options and end user costs as a strategic planning process to develop policy recommendations and define program initiatives.
- Develop strategies for obtaining Manitoba's long-term energy requirements at reasonable costs.
- Monitor and assess energy matters for their implications to Manitoba.
- Identify opportunities for improving the efficiency of energy use within Manitoba.
- Evaluate energy programs to measure objective achievement and cost effectiveness.
- Represent the department in regulatory proceedings involving Manitoba's energy interests.

Expected Results

- Cabinet and Executive briefing documents, and reports providing strategic analyses and recommendations for establishing policies, implementing specific energy programs and development thrusts.
- Market analyses of key energy forms produced or used in Manitoba.
- Financial analyses of existing and proposed development projects in the energy sector.
- Evaluation of existing energy programs.
- Development of a provincial contingency plan to deal with oil shortages.

Sub-Appropriation No. 2B

REFERENCE NO. 2

ENERGY PLANNING

Adjusted Vote 1989/90 SY	Adjusted Vote 1989/90 $		Year Ending March 31, 1991 SY	Year Ending March 31, 1991 $
		PERSONNEL		
3:00	173,600	Managerial	3:00	176,500
4:00	184,100	Professional/Technical	4:00	181,800
1:00	25,800	Administrative Support	1:00	25,600
8:00	383,500	Total Personnel	8:00	383,900
		OTHER EXPENDITURES		
	12,000	Transportation		12,000
	6,000	Communication		6,000
	58,200	Supplies and Services		58,200
	20,900	Other Operating		20,500
	97,100	Total Other Expenditures		96,700
	480,600	TOTAL EXPENDITURES		480,600

Sub-Appropriation No. 2C

REFERENCE NO. 3

ENERGY PROGRAMS (BUILDINGS)

Objectives

To promote the wise and efficient use of energy in the building sector to maximize short and long term benefits for the people of Manitoba.

Activity Identification

- Provide assistance to homeowners, building supply store personnel, contractors and builders on cost effective measures to conserve energy in the home.

- Provide expert advice to other government agencies concerning energy efficient housing.

- Conduct audits to provide advice on conservation and efficiency measures to reduce operating costs in institutional/commercial/industrial/agricultural buildings.

- Conduct research and demonstration projects pertaining to energy efficiency to gather data currently not available to develop programs, publications, regulation standards and guidelines. In most cases these projects are cost shared with other agencies (Energy, Mines and Resources Canada, Canada Mortgage and Housing Corporation, Manitoba Hydro, etc.)

Expected Results

- Delivery of the Home CHEC-UP Program.

- A target of 20 per cent savings in energy use in the residential sector while reducing homeowner costs, improving living conditions and creating employment.

- The residential advisory service, the "How-To" booklets, and the workshops assist homeowners in meeting target reductions.

- Establish an energy standard for new home construction in cooperation with the Manitoba Home Builders Association and the Utilities.

- Continued delivery of the Energy (Bus) Audit Program in the Institutional/ Commercial/Industrial/Agricultural sectors with greater emphasis on conducting audits of public buildings. More schools, health care facilities and government buildings will be audited to achieve savings for all taxpayers.

- Energy Audit program clients are expected to achieve savings in the order of 20 per cent leading to more viable operations.

- Research and demonstration projects that lead to development and/or confirmation of emerging technologies for improved programs, standards and guidelines; thus providing greater energy savings through adoption and widespread replication.

Sub-Appropriation No. 2C

REFERENCE NO. 3

ENERGY PROGRAMS (BUILDINGS)

Adjusted Vote 1989/90 SY	Adjusted Vote 1989/90 $		Year Ending March 31, 1991 SY	Year Ending March 31, 1991 $
		PERSONNEL		
2:00	115,300	Managerial	2:00	119,800
6:00	247,900	Professional/Technical	6:00	255,300
2:00	49,900	Administrative Support	2:00	53,800
10:00	413,100	Total Personnel	10:00	428,900
		OTHER EXPENDITURES		
	840,800	Grants/Transfer Payments		802,000
	25,100	Transportation		17,500
	90,900	Communication		85,500
	93,200	Supplies and Services		110,800
	6,000	Capital		500
	29,700	Other Operating		23,000
	1,085,700	Total Other Expenditures		1,039,300
	1,498,800	TOTAL EXPENDITURES		1,468,200

Sub-Appropriation No. 2D

REFERENCE NO. 4

PETROLEUM

Objectives

To ensure that the province's crude oil and natural gas resources are explored and developed in accordance with government policy and legislation and in a manner which maximizes benefits to the people of Manitoba while minimizing effects on the environment and other land users.

Activity Identification

- Plan, recommend, implement, administer, monitor and evaluate petroleum resource policies.
- Administer The Oil and Gas Production Tax Act, The Pipe Line Act, The Gas Storage and Allocation Act, and provisions of The Mines Act governing petroleum exploration and production operations.
- Provide technical assistance to The Oil and Natural Gas Conservation Board.
- Collect, record and publish production statistics; conduct technical studies and publish reports to assist exploration and development; and provide consultation to the petroleum industry and the general public.

Expected Results

- Legislation, regulations and policies that meet government objectives and provide a competitive environment to attract and maintain reasonable levels of petroleum exploration and development activity.
- A petroleum industry that is kept well informed of new policies and government initiatives and that comply with regulatory requirements.
- Accurate and up-to-date information on Crown oil and natural gas rights and petroleum industry activities and publication of two to four reports each year on Manitoba's petroleum potential.
- Two public sales of Crown oil and natural gas leases each year.
- Timely collection of petroleum revenues including Crown royalties and oil and gas production taxes and administration of petroleum incentive programs.
- Licensing all new wells and geophysical programs and processing applications received within established regulatory requirements and established time guidelines.
- Timely information on petroleum activities in the province is provided to industry and the general public.

Sub-Appropriation No. 2D

REFERENCE NO. 4

PETROLEUM

Adjusted Vote 1989/90 SY	Adjusted Vote 1989/90 $		Year Ending March 31, 1991 SY	Year Ending March 31, 1991 $
		PERSONNEL		
4:00	217,600	Managerial	4:00	221,500
9:00	330,600	Professional/Technical	9:00	346,500
7:00	187,100	Administrative Support	7:00	197,800
20:00	735,300	Total Personnel	20:00	765,800
		OTHER EXPENDITURES		
	29,000	Transportation		21,100
	52,300	Communication		52,900
	37,800	Supplies and Services		44,000
	10,000	Capital		12,000
	14,800	Other Operating		13,900
	143,900	Total Other Expenditures		143,900
	879,200	TOTAL EXPENDITURES		909,700

Sub-Appropriation No. 2E

REFERENCE NO. 5

ENERGY PROGRAMS (TRANSPORTATION)

Objectives

To coordinate the development of transportation policies and programs, within the context of sustainable development, to encourage the efficient use of energy, and to promote alternative fuel and transport modes within the public and private sectors of Manitoba, thereby reducing overall expenditures on non-indigenous transportation fuels, reducing fossil fuel usage and protecting the environment.

Activity Identification

- Plan, recommend, coordinate, implement, administer, monitor, and evaluate intergovernmental policies and programs related to transportation energy use.

- Conduct technical and economic studies and publish reports designed to assist and encourage increased acceptance of energy efficient transportation techniques and technologies, alternative fuels, and alternative transportation modes.

- Provide consultation to the public and private sectors of the transportation industry and information to the general public.

- Monitor transportation energy related activities in other jurisdictions and assess their potential for application in Manitoba.

Expected Results

- Timely information regarding energy related transportation issues will be provided to government agencies, the transportation industry, and the general public.

- Continuity in delivering government sponsored initiatives involving energy use in the transportation sector.

- Policies, programs, regulations and/or legislation will be developed to meet government's transportation energy objectives.

- Alternative transportation fuels and transportation modes will be introduced to Manitoba on the basis of their technical, economic and environmental merits.

Sub-Appropriation No. 2E

REFERENCE NO. 5

ENERGY PROGRAMS (TRANSPORTATION)

Adjusted Vote 1989/90 SY	Adjusted Vote 1989/90 $		Year Ending March 31, 1991 SY	Year Ending March 31, 1991 $
		PERSONNEL		
1:00	56,700	Managerial	1:00	59,700
2:00	90,000	Professional/Technical	2:00	85,400
3:00	146,700	Total Personnel	3:00	145,100
		OTHER EXPENDITURES		
	3,000	Transportation		3,000
	46,000	Communications		46,000
	120,000	Supplies & Services		120,000
	2,300	Other Operating		2,300
	171,300	Total Other Expenditures		171,300
	318,000	TOTAL EXPENDITURES		316,400

Adjusted Vote 1989/90	Appro. No.	Energy and Mines (XXIII) Details of Appro.	Year Ending March 31, 1991	Resolution No.
6,700,900	3.	MINERAL RESOURCES	6,025,200	41
		. Provides for the administration and management, including economic and policy analyses, of the province's mineral resources to ensure that they are explored, developed and extracted in a manner consistent with accepted practices of good husbandry and for the benefit of all Manitobans.		
		. Provides for identification and documentation of the province's geology and mineral resources for use in mineral exploration, land use planning, and in addressing environmental concerns.		
		. Provides for improved efficiency of mineral exploration in the province, the pioneering of safer and more productive mining methods, and for the identification of new markets and products for Manitoba's mineral resources.		
				Reference Number
249,900	3(a)	Mineral Development	242,500	1
1,949,400	3(b)	Mines	1,979,100	2
4,501,600	3(c)	Geological Services	3,803,600	3
6,700,900			6,025,200	

Sub-Appropriation No. 3A

REFERENCE NO. 1

MINERAL DEVELOPMENT

Objectives

To develop and manage the provincial mineral resources in accordance with government policy and legislation in order to provide maximum long term benefits to the province, taking into account the principles of sustainable development.

Activity Identification

- Participates in mineral tax policy review and development and conducts economic and financial analyses which provide an information base for the definition and promotion of mineral development strategies in the province.

- Coordinates activities of departmental resource development projects.

- Maintains liaison with senior personnel in the mineral industry (provincial, national and international).

- Deals with other departments, municipal governments and Crown agencies on matters involving mineral resource development and the mining industry.

- Maintains an up-to-date statistical information base on mining and exploration activity in the province.

- Monitors current mineral industry trends and changing technologies, keeping the Minister and Deputy Minister informed and aware of major implications, adjusting existing programs as deemed necessary.

Expected Results

- Cabinet and Treasury Board submissions.

- Memos, letters, briefing and position papers for the Minister and Deputy Minister, providing analyses and recommendations for implementing specific mineral policy and development programs.

- Letters to senior federal personnel, provincial and territorial officials and senior industry personnel.

- Analyses of existing and proposed development projects in Manitoba's mineral resource sector.

- Reports of federal/provincial/territorial task forces/working groups.

Sub-Appropriation No. 3A

REFERENCE NO. 1

MINERAL DEVELOPMENT

Adjusted Vote 1989/90 SY	Adjusted Vote 1989/90 $		Year Ending March 31, 1991 SY	Year Ending March 31, 1991 $
		PERSONNEL		
1:00	67,100	Managerial	1:00	68,500
2:00	112,000	Professional/Technical	2:00	101,700
1:00	25,800	Administrative Support	1:00	27,400
4:00	204,900	Total Personnel	4:00	197,600
		OTHER EXPENDITURES		
	10,000	Transportation		10,000
	7,500	Communication		7,500
	6,000	Supplies and Services		6,000
	1,000	Capital		4,000
	20,500	Other Operating		17,400
	45,000	Total Other Expenditures		44,900
	249,900	TOTAL EXPENDITURES		242,500

Sub-Appropriation No. 3B

REFERENCE NO. 2

MINES

Objectives

The primary objective of the Mines Branch is to ensure that the mineral endowment of the province is explored, developed and extracted in a manner consistent with accepted practices of good husbandry and which provides the maximum benefits to the people of Manitoba.

Activity Identification

In addition to administering relevant sections of The Mines Act, the branch also administers The Industrial Minerals Drilling Act as well as regulations under the former, including the Mineral Disposition Regulation and the Quarrying Mineral Regulation. Administration of these regulations give rise to a number of activities which include the following:

- establish and maintain an accurate and efficient record keeping system for mineral dispositions in order to ensure collection of all fees, rentals and royalties due to the Crown;
- minimize disputes involving mineral dispositions by maintaining an effective claims inspection service;
- promote exploration and development of mineral resources through compilation, evaluation and dissemination of geoscientific data;
- complete an inventory of the aggregate resources in the province;
- minimize sterilization of mineral resources by conflicting land uses;
- ensure that lands used for mining purposes are rehabilitated progressively and on abadonment of the mining operation.

Expected Results

- Compliance with the requirements of statutes and regulations (mine inspections).
- Successful completion of projects such as the development and distribution of maps and reports dealing with mineral resources.
- Resolution of mineral claim disputes in a satisfactory manner.
- Records of mineral dispositions are accurate and up-to-date.
- All fees, rentals, and royalties due to the Crown are collected.

Sub-Appropriation No. 3B

REFERENCE NO. 2

MINES

Adjusted Vote 1989/90 SY	Adjusted Vote 1989/90 $		Year Ending March 31, 1991 SY	Year Ending March 31, 1991 $
		PERSONNEL		
4:00	235,700	Managerial	4:00	242,300
15:00	672,900	Professional/Technical	15:00	688,600
15:26	435,200	Administrative Support	15:26	445,200
34:26	1,343,800	Total Personnel	34:26	1,376,100
		OTHER EXPENDITURES		
	113,300	Transportation		113,300
	17,900	Communication		17,900
	149,400	Supplies and Services		149,400
	226,100	Public Debt		226,100
	6,800	Capital		6,800
	92,100	Other Operating		89,500
	605,600	Total Other Expenditures		603,000
	1,949,400	TOTAL EXPENDITURES		1,979,100

Sub-Appropriation No. 3C

REFERENCE NO. 3

GEOLOGICAL SERVICES

Objectives

To encourage and facilitate development and management of Manitoba's mineral resources by providing authoritative documentation of the province's mineral endowment and development potential.

Activity Identification

- Annually conducts systematic geological, geophysical and geochemical field surveys and investigations throughout the province to map, document, sample and evaluate rock and mineral resource potential in Manitoba.

- Expands the scope and extent of mineral exploration in Manitoba by generating new geological models and concepts to attract, encourage and focus exploration for new types of mineral deposits. Encourages and fosters new developments in exploration methodology.

- Supports effective mineral management, infrastructure development, environmental decision making, and land-use planning, as well as university research programs, by providing authoritative technical information on the province's surficial deposits and bedrock formations.

- Recommends and monitors federal minerals programming in Manitoba to complement and assist attainment of the above objectives.

- Provides analytical and cartographic services to the department as well as assays to claim holders with properties in good standing.

- The main thrust of the Branch's activities continues to focus on assisting the search for new base metal deposits in the region feeding the Flin Flon smelter, expanding the level of exploration in northeastern Manitoba, and encouraging new and more diverse industrial mineral developments in the south of the province.

Expected Results

Results of geological, geophysical and geochemical surveys are released in technical reports and maps issued periodically as projects are completed. These outputs are augmented by:

- annual report of activities and preliminary maps (November); annual progress reports (May); public meetings with industry (November); and displays, talks, and poster sessions at national and interprovincial conferences.

- regional briefing sessions in each of the mining districts prior to the summer field programs; as well as tours and demonstrations in areas of mining potential.

Sub-Appropriation No. 3C

REFERENCE NO. 3

GEOLOGICAL SERVICES

Expected Results (cont'd)

- technical reports, papers and talks given at provincial, national and international symposia, advertising Manitoba's mineral endowment and investment potential.

- technical advice to policy advisors, senior administration, international fact-finding missions, and mineral explorationists.

- on-the-job training in field methods, for university students aiming at a career in minerals.

Program planning incorporates feedback and recommendations from industry, thereby assuring the relevance and timeliness of outputs. As in previous years, continued high attendance at all branch-hosted functions is expected. As well, new exploration programs will be targeted on areas identified by branch investigations, and leases will be taken out on new deposits of building stone located by branch surveys.

Sub-Appropriation No. 3C

REFERENCE NO. 3

GEOLOGICAL SERVICES

Adjusted Vote 1989/90 SY	Adjusted Vote 1989/90 $		Year Ending March 31, 1991 SY	Year Ending March 31, 1991 $
		PERSONNEL		
7:00	385,900	Managerial	7:00	392,500
62:22	2,359,000	Professional/Technical	62:22	2,390,700
11:00	314,300	Administrative Support	11:00	305,900
80:22	3,059,200	Total Personnel	80:22	3,079,100
		OTHER EXPENDITURES		
	165,800	Transportation		131,200
	175,800	Communication		79,700
	942,400	Supplies and Services		404,200
	84,100	Capital		40,400
	74,300	Other Operating		69,000
	1,442,400	Total Other Expenditures		724,500
	4,501,600	TOTAL EXPENDITURES		3,803,600[1]

[1] Reduction is due to the expiration of the Canada/Manitoba Mineral Development Agreement.

Adjusted Vote 1989/90	Appro. No.	Energy and Mines (XXIII) Details of Appro.	Year Ending March 31, 1991	Resolution No.
1,323,100	4.	MANITOBA ENERGY AUTHORITY	3,400,000	42

		Reference Number
1,323,100	Manitoba Energy Authority	1

Sub-Appropriation No. 4

REFERENCE NO. 1

MANITOBA ENERGY AUTHORITY

Objectives

The objectives of the Manitoba Energy Authority are to formulate and carry out energy policies designed:

a) to assure a continuing and adequate supply of energy in the province;

b) to alleviate the effects of any energy shortage that may occur in the province; and

c) to promote the establishment, development and operation within the province of industries or undertakings that are, by their nature, energy-dependent.

- To manage the affairs of the corporation with due regard for the economy, efficiency and effectiveness of public funds, within established Crown corporation standards.

Activity Identification

- Investigate potential extra-provincial markets for electrical energy, and negotiate or direct negotiations for the sale or purchase of electrical energy exported from or inported to the province.

- Develop and implement policies to ensure the long-term stability and availability of electrical energy supply to Manitobans.

- Participate with the electrical utilities in the four western provinces to study the opportunities for closer cooperation.

- Investigate and review data respecting the supply of and demand for energy, develop plans for the allocation of supplies of energy, investigate and review the plans or programs of other provinces or countries for the allocation of supplies of energy, and maintain a continuing liaison with the Government of Canada with respect to The Energy Supplies Emergency Act, 1979 (Canada).

- Provide, upon request, advice and information with regard to energy matters to other agencies and commissions of the government.

- Manage the Subsidiary Agreements entered into under the Silicon Products Commercial Development Program with Dow Corning Corporation.

- Promote Manitoba's low cost, secure, hydro-electric power, enhanced in some cases by the availability of local non-ferrous minerals such as high purity silica sand, mainly used in the production of advanced materials (where processing requires large volumes of electrical energy), with international investors.

Sub-Appropriation No. 4

REFERENCE NO. 1

MANITOBA ENERGY AUTHORITY

Activity Identification (cont'd)

- Administer industrial benefits offsets/technology transfer agreements negotiated as part of/related to selected, large Manitoba Hydro supply contracts associated with the Limestone Generating Station.

Expected Results

- The output/expected results of the Authority's activities vary depending on the public policy objective(s) pursued, but generally include briefing documents, reports, recommendations, and actions which:

  - Result in negotiating positions for the profitable sale or purchase of electrical energy exported from or imported to the province; and ultimately to finalize electricity export/import arrangements such as the recently signed agreements with Ontario Hydro, Northern States Power, and United Power Association.

  - Result in the identification and assessment of potential opportunities for energy intensive industrial development projects, undertaking the necessary negotiations, and participating in feasibility studies leading to the selection of Manitoba as a location for new and/or existing industries. The MEA/Dow Corning Corporation "Silicon Products Commercial Development Program" is an example of such effort.

  - Result in the development of industry-specific marketing strategies to promote the processing of indigenous minerals where such processing requires large volumes of electrical energy.

  - Result in a raised profile of Manitoba in the Japanese and European markets as an attractive location for investment.

  - Keep the Minister appraised of current conditions relating to the present and future availability of energy supplies in the province, in Canada and in other countries.

  - Result in contigency plans for implementation in the event of any energy shortage in the province.

  - Result in the administration of two separate industrial benefits agreements, to assure maximum economic and social benefits accrue to Manitobans from the building of the Limestone Generating Station.

  - Result in promoting increased efficiencies in the generation and transmission of electricity within western Canada from enhanced cooperation in the planning, development, and operations of the electrical systems.

Sub-Appropriation No. 4

REFERENCE NO. 1

MANITOBA ENERGY AUTHORITY

Adjusted Vote 1989/90			Year Ending March 31, 1991	
SY	$		SY	$
--	--	PERSONNEL	--	--
	1,323,100	OTHER EXPENDITURES		3,400,000
--	1,323,100	TOTAL EXPENDITURES	--	3,400,000[1]

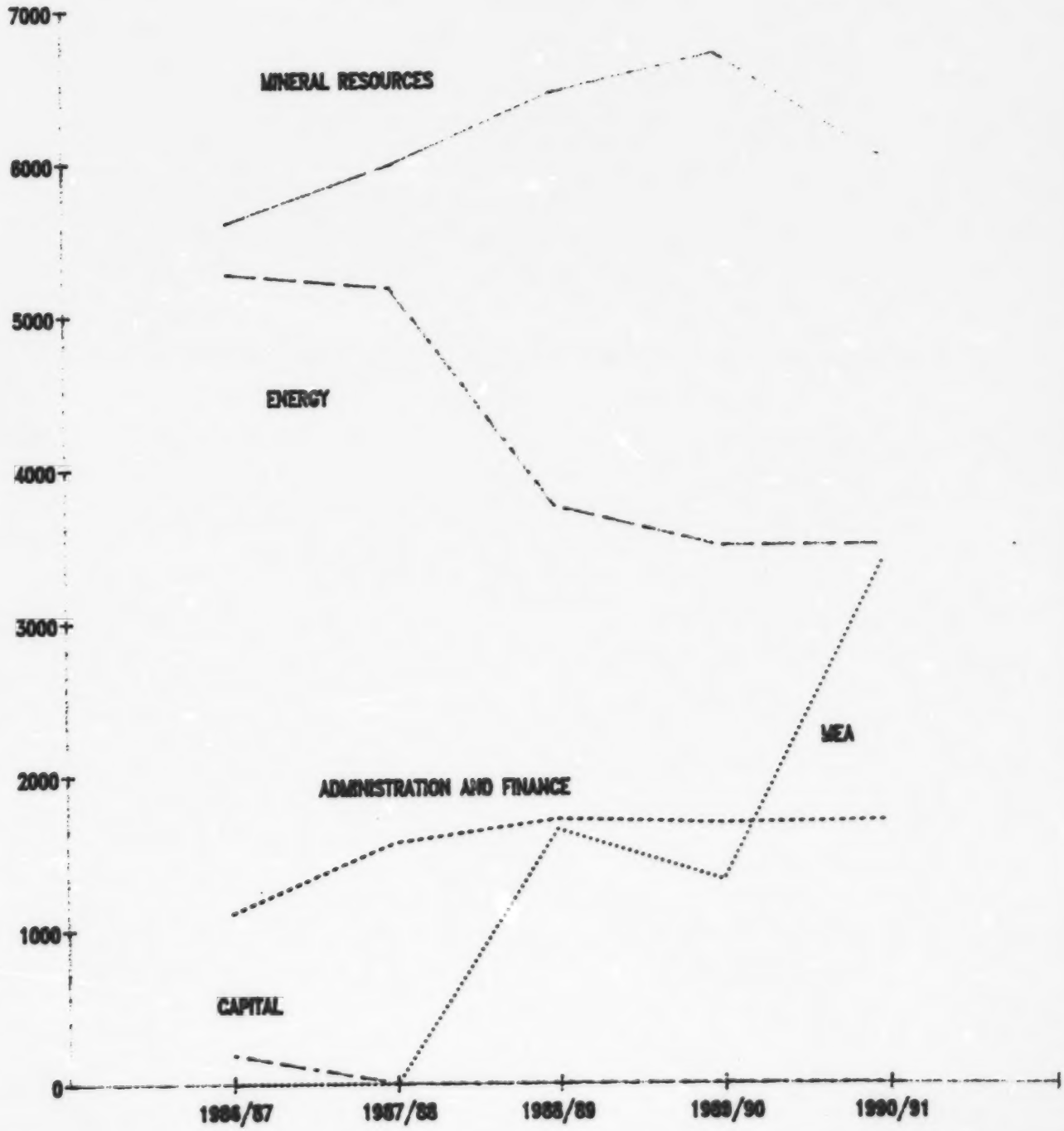
[1] Increase is due to the MEA/Dow Corning Corporation's "Silicon Products Commercial Development Program".

PART 3
HISTORICAL INFORMATION

DEPARTMENT OF ENERGY AND MINES
FIVE YEAR EXPENDITURE AND STAFFING SUMMARY
BY APPROPRIATION ($000)
FOR YEARS ENDING MARCH 31, 1987 - MARCH 31, 1991

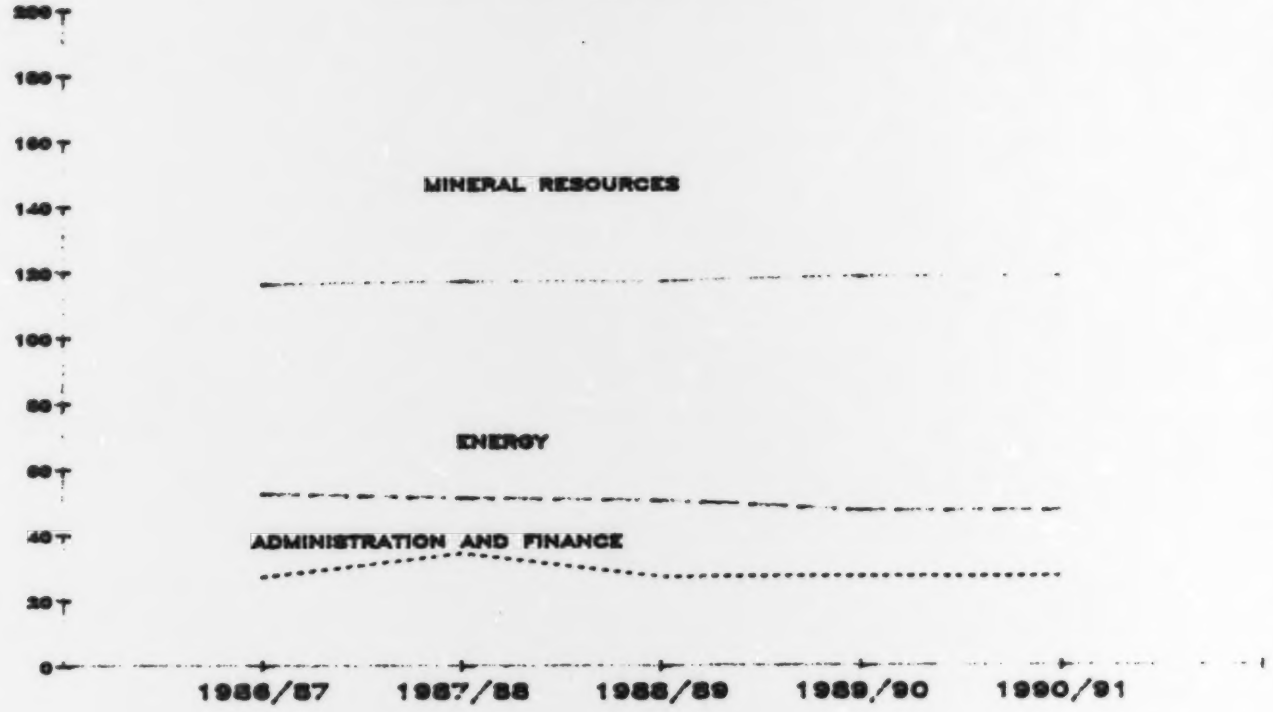
Program	Actual Expenditures 1986/87 SY	$	Actual Expenditures 1987/88 SY	$	Actual Expenditures 1988/89 SY	$	Adjusted Vote 1989/90 SY	$	Main Estimates 1990/91 SY	$
Admin. & Finance	27:20	1,109.6	34:46	1,574.2	27:14	1,718.0	27:26	1,689.6	27:26	1,708.4
Energy	52:46	5,273.4	51:04	5,177.5	50:36	3,749.3	47:00	3,488.1	47:00	3,485.7
Mineral Resources	116:51	5,611.1	117:28	5,982.7	117:29	6,452.0	118:48	6,700.9	118:48	6,025.2
Manitoba Energy Auth.	-	-	-	-	-	1,667.1	-	1,323.1	-	3,400.0
Capital	-	188.1	-	-	-	-	-	-	-	-
Totals	197:13	12,182.2	203:26	12,734.4	195:27	13,586.4	193:22	13,201.7	193:22	14,619.3

DEPARTMENT OF ENERGY AND MINES
FIVE YEAR EXPENDITURE HISTORY
BY OPERATING DIVISION



APPENDIX 3

DEPARTMENT OF ENERGY AND MINES
FIVE YEAR STAFFING HISTORY
BY OPERATING DIVISION



APPENDIX 4

DEPARTMENT OF ENERGY AND MINES
FIVE YEAR STAFF HISTORY